I am greatly concerned about the potential of interference to licensed radio services caused by Power Line Carrier access to consumer data services. Even though harmful interference to licensed radio services might be prohibited, the FCC clearly will not be able to enforce such regulations should the use of PLC become widespread.

Further, PLC data services will not be able to tolerate the transmitted signals of licensed radio services operating in the vicinity. As a professional broadcasting engineer, we are already finding ourselves overwhelmed by interference complaints from the public due to our RF emissions causing issues with telephones, computers, modems and other household equipment; the same is true for amateur radio and other licensed services. The proliferation of PLC devices would make an already bad situation worse by making virtually all use of MF and HF transmitting and receiving equipment difficult or impossible, except for in isolated rural locations.

It is simply not true that most Americans do not have access to broadband internet services, which was stated as a reason to deploy PLC equipment. There are wireless data services at offered by the cellular carriers available almost everywhere that cellular exists, as simple as plugging a computer into a cell phone. There are the cable TV systems almost universally available in both urban and suburban areas, there are companies such as Ricochet that offer broadband wireless services via a network of short-range radio transponders, and there are the regional and local telephone companies which offer a multiplicity of services from DSL to multi- megabit internet backbone services. I live in a semi-rural area in a state with comparatively few residents and I pay approximately $50/month for a T1-speed wireless connection from Sprint. I could also choose similar services from the cellular carriers.

PLC technology is not needed to insure almost universal broadband connections to the internet, and will be less needed as the services offered by other providers evolve.

It is clear that the limited public benefits of PLC technology will be vastly outweighed by the almost certain destruction of the use of the MF and HF radio spectrum.

As I interpret both the research and experiences of other countries in the deployment of PLC, it is clear that PLC technology is incompatible in both directions with licensed radio services. It will cause harmful interference to the reception of MF-HF radio signals, it will cause an unacceptably large degradion of the noise floor across the MF-HF radio spectrum in urban areas, and the use of virtually *any* radio transmitter, from broadcast to military, to amateur radio, even the millions of unlicensed Citizen's Band radio transmitters will cause harmful interference to PLC systems.

As currently designed and envisioned, PLC data networks should not be widely deployed. There is little tangible public benefit to doing so, few Americans lack access to broadband internet servces, and the harm caused to licensed radio services would be immense.

<signed>
Bill Kleronomos
Professional Broadcasting Engineer
Amateur Extra Class Licensee KD0HG

Berthoud, Colorado